PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Burgan



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : A61K 31/70, A61F 13/26, G02C 7/02	A1	(11) International Publication Number: WO 95/67085
		(43) International Publication Date: 16 March 1995 (16.03.95)
(21) International Application Number: PCT/US (22) International Filing Date: 7 September 1994 (DK. ES. FR. GR. GP. FF. I'll MC AT DE CO.
(30) Priority Data: 08/116,908 7 September 1993 (07.09.93) t	Published With international search report.
(71) Applicant: ESCALON OFHTHALMICS, INC. [US/ Tamarack Circle, Skillman, NJ 06558 (US).	US]; 18	2
(72) Inventor: BENEDETTO, Dominick, A.; 124 Av Bayonne, NJ 07002 (US).	cone l	
(74) Agent: SAUNDERS, Thomas, M.; Lorenso & Lo Commercial Street, Boston, MA 02109 (US).	nd, 44	
•		
		1

(54) THE SURFACE ACTIVE VISCOPLASTIC SOLUTIONS FOR OCULAR USE

(57) Abstract

This invention encompasses a modified inneopolysacclaride solution for use as a biologically active therapeutic infusion comprising a pharmaceutical grad viscoelastic fraction selected form a group consiting of an acyl-substituted hyshmonic acid having acyl groups thereof with three to twenty carbon atoms and mixtures of said acyl-substituted hyshmonic acid with hyshmonic acid, and hydroxypropylmethylcollulose. In particular these solutions have a surface tension of between 40 and 65 dynes/cm², particularly a viscoelastic fraction has an average molecular weight of at least 50,000. In some embodiments a physiological buffer fraction is present. This invention further encompasses a method of using the claimed composition.